OFFI	U.S. DEPARTMENT OF ENERGY CE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT
NUCLE	AR WASTE TECHNICAL REVIEW BOARD FULL BOARD MEETING
SUBJECT:	LICENSE APPLICATION ANNOTATED OUTLINE
PRESENTER:	APRIL VAN CAMP GIL
PRESENTER'S TITLE AND ORGANIZATION:	TEAM LEADER, LICENSING ASSISTANT MANAGER FOR SUITABILITY AND LICENSING YUCCA MOUNTAIN SITE CHARACTERIZATION OFFICE LAS VEGAS, NEVADA
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	SALT LAKE CITY, UTAH JULY 11-12, 1995

License Application Annotated Outline

- Objective
- Background
- License Application Annotated Outline Process
- Annotated Outline Activities and Results to Date
- Future Plans
- Issue Resolution Process
- Conclusion

License Application Annotated Outline

- Objective is the development of an acceptable License Application (LA) for submittal to the NRC
- Early DOE/NRC communication and identification of issues and status is essential to meet the statutory NRC 3-year review period for LA
- Methodical construction of the Annotated Outline (AO), with annual revisions, ensures the development of an acceptable LA by identifying information needed for licensing
- The License Application must support NRC's reasonable assurance finding concerning performance objectives and technical criteria, as required by 10CFR60, Subpart E

Major Licensing Milestones



Background

- NRC suggested preparation of a "bracketed" LA
 - Allows document to be developed as information is acquired
 - Identifies necessary information
- DOE initiated the development of a bracketed License Application (or Annotated Outline) in 1991
- Document revised annually and transmitted to the NRC
- Interim revisions may be provided to communicate progress on specific issues or topics

Benefits of License Application Annotated Outline

- Management tool to evaluate existing information and identify information needs for planning purposes
- Method for obtaining feedback on DOE interpretation of NRC requirements and guidance
- Method to ascertain when information is sufficient to demonstrate compliance with applicable regulatory requirements

License Application Annotated Outline



License Application Annotated Outline Process

- LA AO process captures
 - Known and available information provided in text, tables, and figures
 - Missing or incomplete information identified in brackets and documented on Information Needs forms
 - Information existing prior to license submittal, to facilitate discussion

License Application Annotated Outline Process

- Each revision integrates information from site characterization, design, and performance assessment activities
- Revised LA AO undergoes interdisciplinary reviews
- Approved revision is submitted to NRC for review and feedback
- Information Needs for licensing are compiled and used to focus annual and long-range planning

License Application Annotated Outline Process

- NRC has provided guidance on the content and format of the LA
 - Preliminary guidance in the Draft Regulatory Guide "Format and Content for the License Application for the High-Level Waste Repository" (FCRG) November 1990
 - Criteria used by NRC in reviewing LA and reaching required findings contained in the "License Application Review Plan for a Geologic Repository for Spent Nuclear Fuel and High-Level Radioactive Waste" (LARP) September 1994

License Application Annotated Outline Status

- Fifth LA AO was submitted to NRC as "Revision 0" DOE document in March 1995
- About 1200 Information Needs have been provided to program planners
- Work is in progress to tie each Information Need to a deliverable and date for the deliverable

License Application Contents



Future Activities

- LA AO Revision 1 to be submitted to NRC in January 1996
- Plan to include the following:
 - Update of text to ensure Information Needs are fully developed in all chapters
 - Results of FY95 site characterization activities
 - Results of Total System Performance Assessment -1995
 - Available design information
 - Description of Quality Assurance Program
 - Additional chapter-specific information



- Deliverables for each revision to LA AO have been listed in Program Plan
- Future revisions to LA AO:
 - Revision 1, January 1996
 - Revision 2, February 1997
 - Revision 3, January 1998
 - Revision 4, June 1999
 - Revision 5, January 2000
- Planned LA submittal to NRC June 2001

Issue Resolution Process

- Two organizing principles of site characterization:
 - Issues hierarchy (questions needing resolution to demonstrate compliance with regulations)
 - Issue resolution process (issue identification, performance allocation, data collection/analysis, and resolution documentation)

Issue Resolution Process

- NRC has indicated that DOE should provide issue resolution information through
 - LA AO
 - A small number of specified Topical Reports
 - Semi-Annual Site Characterization Progress Reports
 - Responses to NRC's Site Characterization Analysis Comments and Questions
- DOE plans to use the LA AO process to provide the NRC with information necessary to resolve licensing issues

Conclusions

- LA AO process is being used to develop License Application within schedule and in a form that will allow docketing and review by NRC within statutory review period
- LA AO will be the focus of issue resolution activities as the primary vehicle for communication with NRC on these issues
- Program must focus multi-disciplinary resources on License Application development to succeed

